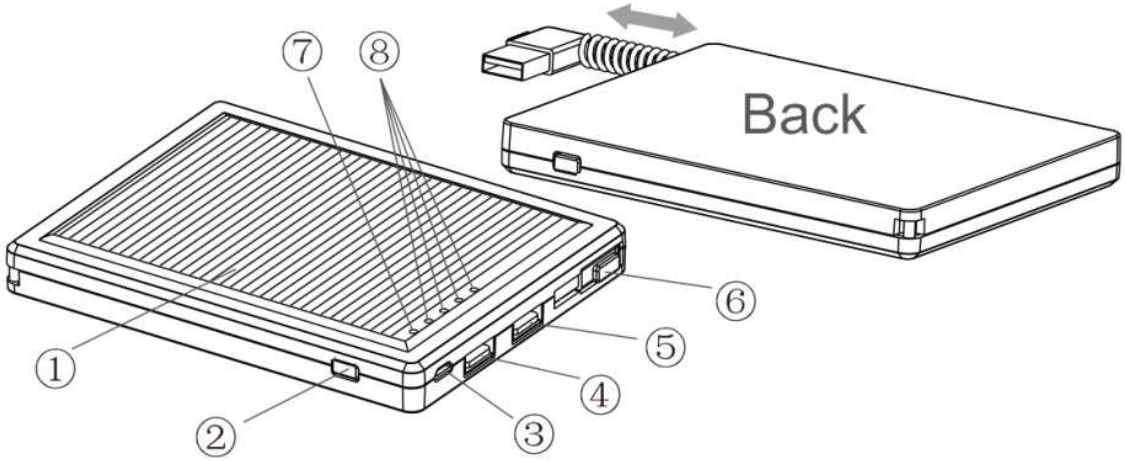
SOLAR Charger PBS1 User Manual

This product is a portable multi-functional solar charger which is very powerful and flexible. It can be used to charge your Smartphone, (iPhone), MP3, MP4, iPod and Tablet PC, (iPad), mobile Mini-speaker, Bluetooth Headset, etc.

This solar charger is ideally for outdoor activities, for example by travelling or outdoor sports.

PRODUCT DESCRIPTION:



①Solar Panel
②Energy Test Button
③Micro USB(DC Input)
④USB-L(DC Output)
⑤USB-H(DC Output)
⑥Stretched Spring USB Cable (DC Input)
⑦Solar/Charging indicator(Red)
⑧Energy/recharging indicator(Green)

PRODUCT CHARACTERISTICS:

1. High solar energy convert efficiency: over than 16%
2. Solar energy boards: 5.0V / 200mA
3. High capacity built-in Li-polymer battery: 5000mAh
4. Size:124*96*14mm
5. DC Output: USB-L: 5V/800mA &USB-H: 5V/1.5A
6. DC Input: 5V/ 1A
7. To charge the built-in battery by solar energy:25-30 hours
8. To charge the built-in battery by computer: about 7-8 hours

IMPORTANT INSTRUCTION! Exposure or USB charging time at least 2 hours (first using)

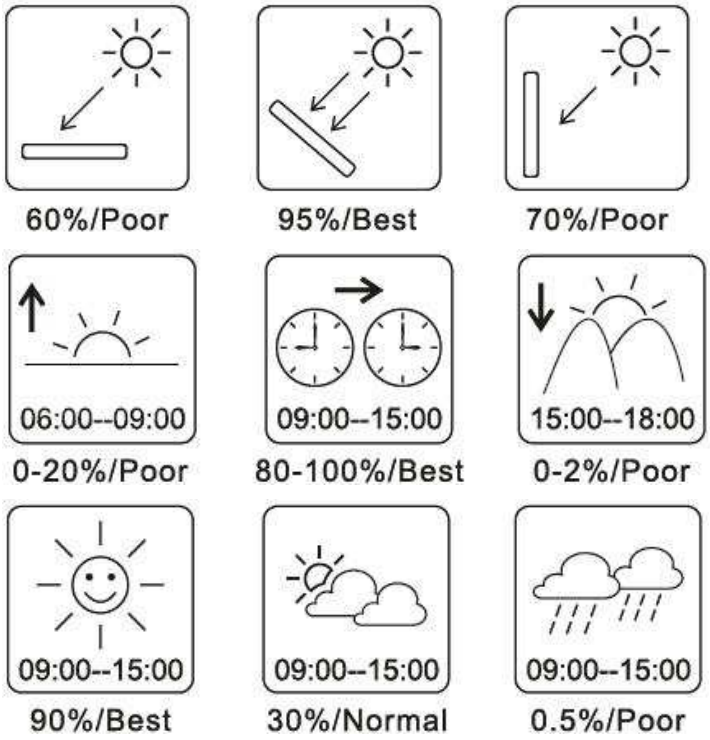
FUNCTIONS:

Charging the battery:

The battery can be charged either through the solar panel or by USB cable connected with computer.

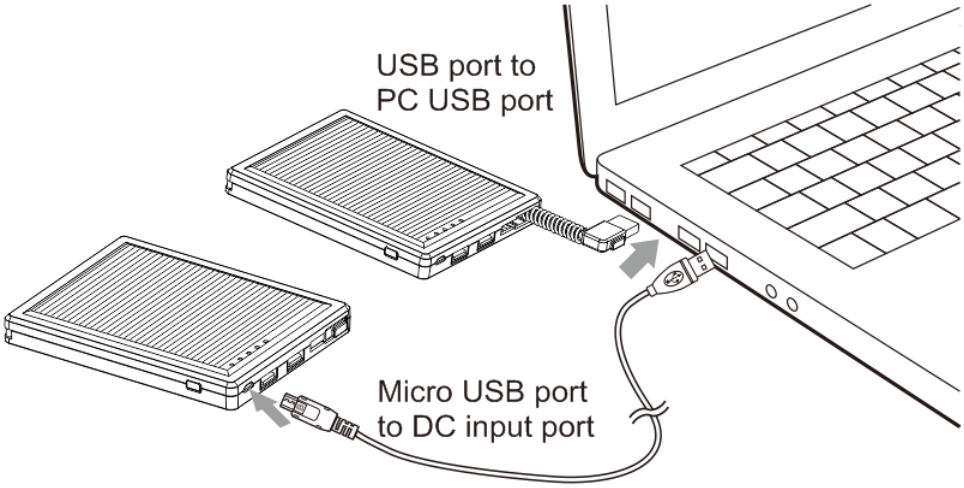
1. Charging through solar panel.

   Please take following factors into consideration when using this energy-saving method to charge you devices. It is important to choose a best position or condition to the sun while charging.



2. Charging by USB cable connected with

   Use the USB cable's USB port to connect PC USB port and the Micro USB to connect the DC input port of the product; Or use the Stretched Spring USB Cable⑥ to connect PC USB port directly. Alternatively, you can use the above two ways at the same time to charge this product. When the charging function starts, one green recharging indicator flashes. When the battery is full, four green indicators light all on, and stop flashing.



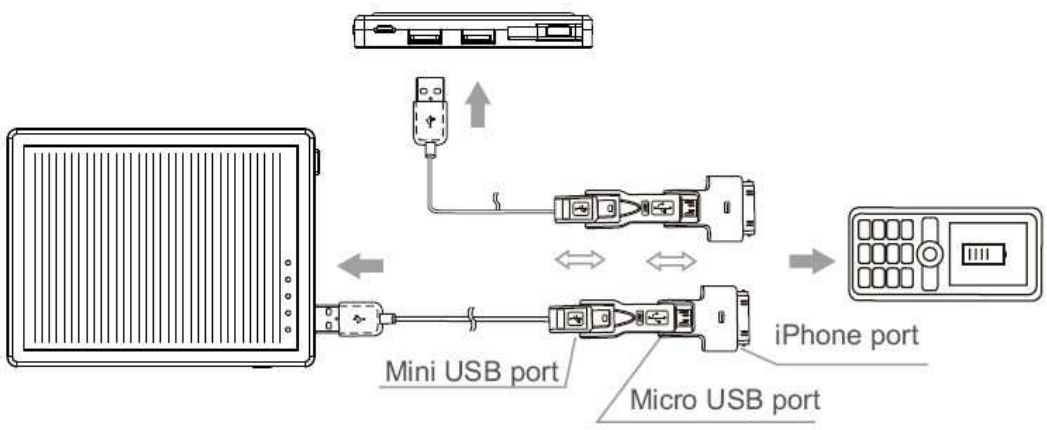
Charging devices for example Smartphone, Tablet PC etc.:

Step1: As this product has double USB port, you can choose to use which DC output port according to your device's needs. For regular phone, MP3，MP4，Bluetooth headsets, WIFI, or smartphone, put the USB cable into USB-L④ (output current 800 mA); For iPad or Smartphone, put the USB cable into USB-H⑤(Output current 1.5A). Alternatively, you can use both of DC output to charge your devices simultaneously.

Step2: Press the energy test button, then red indicator ⑦light which means product begins to work. To save more power, the red LED indicator will turn off automatically after 30 seconds by non-operation.

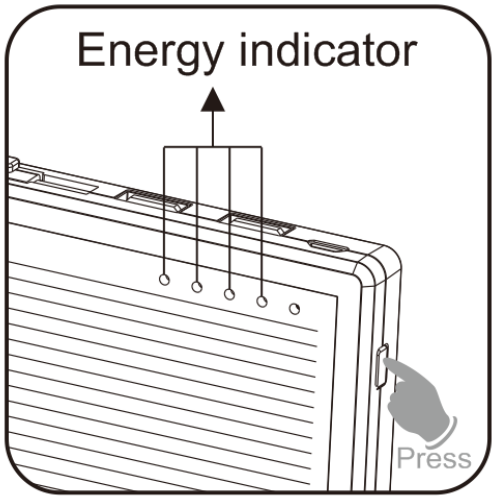
Step3: Based on your mobile phone, select the correct adaptor, and connect the adaptor with the other end of the USB cable. When the charging function starts, you can see the charging indicator from your mobile phone.

Note: When the mobile phone is fully charged, the built-in Microcontroller (MCU) detected that the output current is less than 100mA, and then the charger will automatically shut down.



Power Check

Check the power status of charger. Press the energy test button②: if all the green LED light ,the built-in battery is full; if three green LED light , there is 75% of the power full; if two green LED light , there is 50% of the power left; If only one green LED lights, there is 25% of the power left.



Important Safety Instructions!

- Please do not scrape the surface of the solar energy board with sharp object and keep it clean.
- Solar charger is not waterproof, please do not use it in rainy days If the product falls into the water accidentally, use a clean cloth to absorb the water on the product surface immediately. If it is not able to switch on the device any more after the device has been dried, please send it to reseller for product check.
- Keep the product away from fire!
- Do not throw the charger to fire which could lead to explosion.
- Do not use the charger in a too much hot(over 80 degree), wet or corrosive environment.
- This product has a built-in Microcontroller to protect the product from overcharge, over discharge, overload, short circuit etc.,
- If the product does not work, please check:

1) if the adapter is suitable for your mobile phone /electronic equipment. For more info, please contact the reseller.

2) if the short-circuit protection is activated. When the output current is large than 1.5, four indicators will all flash 19 times for about 10 seconds, then it shut down automatically. In this case, please restart the charger.

3) if there is enough power left in the charger:

①If the charger can startup and more than 2 energy indicators light on, there is possible that the adaptor does not fit.

②If the charger can startup but only one energy indicator flashes.

That means the battery needs to be charged, please charge it.

③If the charger cannot start up; maybe battery protection board starts protection function due to some reasons, then please use the external DC to activate the battery charging.

4).If the charger has not been used for a long time, the power of the built-in battery can be emptied, the energy indicators do not light or there are only one energy indicator flashes, thus the charger cannot charge your

device.

In this case, please use the USB cable to charge the charger for 2-3 hours, when the built-in battery is with some energy, the charger will return to work. In order to avoid damaging the battery, we advise the user charge it one time every half a year.

- This is not a toy; please do not let children play with it.

Disclaimer

The warranty is invalid if the damages are caused without your reading this manual in advance. We are not liable to the damages inclusive property damage or personal injury which is caused by not following the safety instructions or improper use of the product!

Correctness and Completeness

This operation manual has been created with due care and attention. No claim is made nor is a guarantee given that the data, illustrations and drawings complete or correct. Subject to change without notice

Disposal

Please dispose the product after useful life environmental friendly in the local return and collection system.

Warranty

All instruments are subject to strict quality controls. Nevertheless functional mistakes should occur during the daily practice in the function, we give a statutory warranty period (only valid with bill). We will rectify production or material defects free of charge upon return if these have not been caused by misuse or abuse. Damage resulting from a fall or improper handling is excluded from the warranty.

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Declaration of Conformity

This product complies with the low voltage guidelines 2006/95/EC and EMV-guidelines 2004/108/EC.

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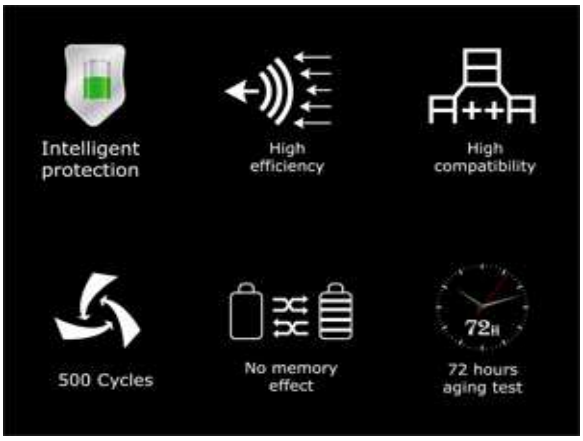
Intelligent protection
High efficiency
High compatibility
500 Cycles
No memory effect
72h
72 hours aging test